

RECEIVED

FEB 17 2012

Vermont Department of
Health Laboratory



ROUTINE PERFORMANCE CHECK REPORT

DataMaster DMT: 100168
Location: Winhall PD
Calibration Date: 09/28/2011
Certification Date: 09/28/2011
Installation Date: 10/14/2011
RPC Date: 02/14/2012
Supervisor Name: DERRICK S TIENKEN

Diagnostic Results

VERSIONS

DMT: 1.01
PIC: 2.06
Modem: 2.2
Questions: 2.0

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 48.1°C
Digital Sim = 33.8°C

SETTINGS

Lamp Voltage = 1.82 V
Cooler Voltage = 1.76 V
Bias Voltage = 80 V
Chopper Freq = 535 Hz

PUMP INFO

Flow Rate = 5.596 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.1431	-0.1394
MIN (V)	-0.1449	-0.1417

FILTER INFO

Filter 1	-0.139	Zero = true
Filter 2	0.205	Zero = true
Filter 3	1.264	Zero = true

CALIBRATION CHECK

Xq = 0.108 0.91%

Accuracy and Precision Check

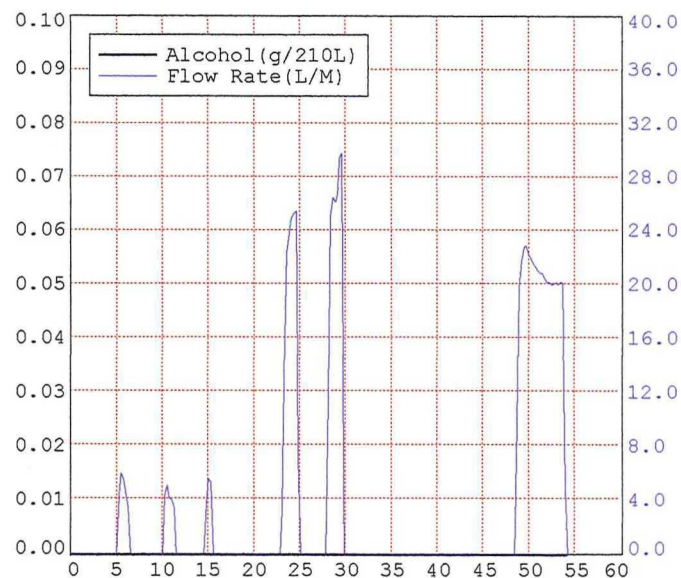
Concentration	= 0.100 g/210L
Lot #	= 12-45-100
Range	= 0.095 - 0.105
Average	= 0.100 g/210L
Std Dev	= 0.0000

RF Detection Test

Passed

Sample Acceptance Test

Passed



Routine Performance Check Passed

5 pages attached

Performed by

Derrick S Tienken

Date

02/14/2012

Reviewed by

Steven Hornoff

Date

2/17/12

DMT Serial Number #100168

Page 1 of 1

02/14/2012 12:32 PM

D 2/17/12
REVISED 2-21-12

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VERSIONS
DMT: 1.01
PIC: 2.06
Modem: 2.2
Questions: 2.0

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 47.9°C
Digital Sim = 33.9°C

SETTINGS

Lamp Voltage = 1.82 V
Cooler Voltage = 1.76 V
Bias Voltage = 80 V
Chopper Freq = 535 Hz

PUMP INFO

Flow Rate = 5.526 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.1439	-0.1415
MIN (V)	-0.1463	-0.1451

FILTER INFO

Filter 1	-0.141	Zero = true
Filter 2	0.202	Zero = true
Filter 3	1.261	Zero = true

CALIBRATION CHECK

Xq = 0.107 0.00%

Accuracy and Precision Check

Concentration	=
Lot #	=
Range	=
Average	=
Std Dev	=

All failed tests
were result of
simulator timing out
during Accuracy +
Precision checks.
I changed solution again
and the first test
went through.

Routine Performance Check Failed

HT
2.21.12

Performed by

A handwritten signature in black ink, likely belonging to Derrick S. Tienken, is written over a horizontal line.

Date

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Breath Tube = 48.1°C
Digital Sim = 33.8°C

SETTINGS

Lamp Voltage = 1.82 V
Cooler Voltage = 1.76 V
Bias Voltage = 80 V
Chopper Freq = 534 Hz

PUMP INFO

Flow Rate = 5.533 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.1451	-0.1433
MIN (V)	-0.1498	-0.1451

FILTER INFO

Filter 1	-0.143	Zero = true
Filter 2	0.201	Zero = true
Filter 3	1.259	Zero = true

CALIBRATION CHECK

Xq = 0.107 0.08%

Accuracy and Precision Check

Concentration	=
Lot #	=
Range	=
Average	=
Std Dev	=

Routine Performance Check Failed

Performed by

A handwritten signature in black ink, appearing to read "D. Tienken", is written over a horizontal line.

Date

02/14/2012

Reviewed by

Date

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Digital Sim = 33.9°C

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Lamp Voltage = 1.82 V
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Bias Voltage = 80 V
Chopper Freq = 535 Hz

PUMP INFO

Flow Rate = 5.607 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.1480	-0.1441
MIN (V)	-0.1496	-0.1470

FILTER INFO

Filter 1	-0.143	Zero = true
Filter 2	0.201	Zero = true
Filter 3	1.258	Zero = true

CALIBRATION CHECK

Xq = 0.107 0.25%

Accuracy and Precision Check

Concentration	=
Lot #	=
Range	=
Average	=
Std Dev	=

Routine Performance Check Failed

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TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 47.7°C
Digital Sim = 33.9°C

SETTINGS

Lamp Voltage = 1.82 V
Cooler Voltage = 1.76 V
Bias Voltage = 80 V
Chopper Freq = 535 Hz

PUMP INFO

Flow Rate = 5.591 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.1482	-0.1465
MIN (V)	-0.1514	-0.1496

FILTER INFO

Filter 1	-0.146	Zero = true
Filter 2	0.198	Zero = true
Filter 3	1.256	Zero = true

CALIBRATION CHECK

Xq = 0.106 0.33%

Accuracy and Precision Check

Concentration	=
Lot #	=
Range	=
Average	=
Std Dev	=

Routine Performance Check Failed

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Bias Voltage = 80 V
Chopper Freq = 534 Hz

PUMP INFO

Flow Rate = 5.571 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	-0.1541	-0.1504
MIN(V)	-0.1567	-0.1526

FILTER INFO

Filter 1	-0.150	Zero = true
Filter 2	0.194	Zero = true
Filter 3	1.251	Zero = true

CALIBRATION CHECK

Xq = 0.107 0.25%

Accuracy and Precision Check

Concentration	=
Lot #	=
Range	=
Average	=
Std Dev	=

Routine Performance Check Failed

Performed by

Out

Date

02/14/2012

Reviewed by

Date